

IRS-1 Antibody (S636)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AE1018a

Specification

IRS-1 Antibody (S636) - Product Information

Application	WB, IHC, IF
Primary Accession	P35568
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Concentration	1mg/ml
Isotype	Rabbit IgG
Calculated MW	131591

IRS-1 Antibody (S636) - Additional Information

Gene ID 3667

Other Names

Insulin receptor substrate 1, IRS-1, IRS1

Target/Specificity

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Dilution

WB~~1:500~1:1000

IHC~~1:50~1:100

IF~~1:100~200

Format

affinity Purified IgG, in PBS, 0.02% sodium azide and 50% glycerol.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

IRS-1 Antibody (S636) is for research use only and not for use in diagnostic or therapeutic procedures.

IRS-1 Antibody (S636) - Protein Information

Name IRS1

Function

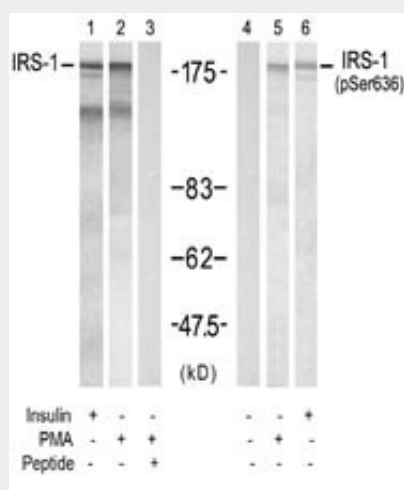
May mediate the control of various cellular processes by insulin. When phosphorylated by the insulin receptor binds specifically to various cellular proteins containing SH2 domains such as phosphatidylinositol 3-kinase p85 subunit or GRB2. Activates phosphatidylinositol 3-kinase when bound to the regulatory p85 subunit (By similarity).

IRS-1 Antibody (S636) - Protocols

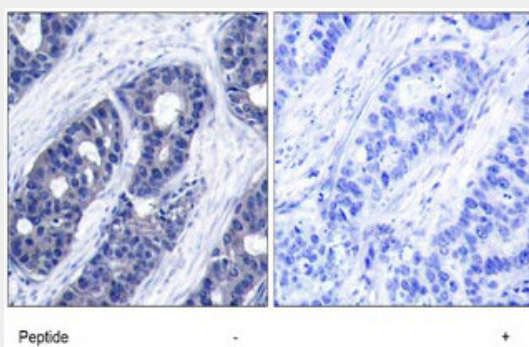
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

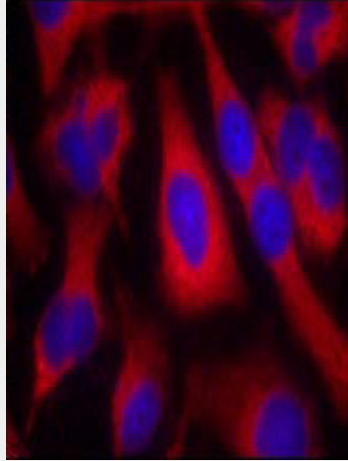
IRS-1 Antibody (S636) - Images



Western blot analysis of extracts from 293 cells treated with insulin(100nM, 30min) or PMA (0.2μM, 15min) using IRS-1 Antibody (S636) (#AE1018a, Lane 1, 2 and 3) and Phospho-IRS-1-S636 Antibody (#AE1018c, Lane 4, 5 and 6).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue, using IRS-1 Antibody (S636) (#AE1018a).



Immunofluorescence staining of methanol-fixed HeLa cells using IRS-1 Antibody (S636) (#AE1018a,Red).

IRS-1 Antibody (S636) - Background

This gene encodes a protein which is phosphorylated by insulin receptor tyrosine kinase. Mutations in this gene are associated with type II diabetes and susceptibility to insulin resistance.

IRS-1 Antibody (S636) - References

COMMON VARIANTS IN 40 GENES ASSESSED FOR DIABETES INCIDENCE AND RESPONSE TO METFORMIN AND LIFESTYLE INTERVENTIONS IN THE DIABETES PREVENTION PROGRAM. Jablonski KA, et al. *Diabetes*, 2010 Aug 3. PMID 20682687.

A genetic association study of maternal and fetal candidate genes that predispose to preterm prelabor rupture of membranes (PROM). Romero R, et al. *Am J Obstet Gynecol*, 2010 Jul 29. PMID 20673868.

Comprehensive analysis of common genetic variation in 61 genes related to steroid hormone and insulin-like growth factor-I metabolism and breast cancer risk in the NCI breast and prostate cancer cohort consortium. Canzian F, et al. *Hum Mol Genet*, 2010 Oct 1. PMID 20634197.

Variation at the NFATC2 Locus Increases the Risk of Thiazolidinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. *Diabetes Care*, 2010 Jul 13. PMID 20628086.

Physiogenomic analysis of statin-treated patients: domain-specific counter effects within the ACACB gene on low-density lipoprotein cholesterol? Ruaño G, et al. *Pharmacogenomics*, 2010 Jul. PMID 20602615.